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(74) Agents: BASTIAN, Kevin, L. et al.; Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111 (US).

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(71) Applicant (*for all designated States except US*): EOS BIOTECHNOLOGY, INC. [US/US]; 225A Gateway, Boulevard, South San Francisco, CA 94080 (US).

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(54) Title: METHODS OF DIAGNOSIS OF CANCER COMPOSITIONS AND METHODS OF SCREENING FOR MODULATORS OF CANCER

(57) Abstract: Described herein are genes whose expression are up-regulated or down-regulated in specific cancers. Related methods and compositions that can be used for diagnosis and treatment of those cancers are disclosed. Also described herein are methods that can be used to identify modulators of selected cancers.

	GTGATIAILL CIIILLLILVL MFVWWMKRRD KERQAKQLLI DPEDDVDRDNI LKYDEEGGGE						780
	EDQDYDLSQL QQPDTEPDA IKPGVIGRMD ERPIHAEQPQY PVRSAAHPG DIGDFINEGL						840
	KAADNDPTAP PYDSLVPDY EGSGSTAGSL SSLNSSSSGG EQDYDYLNDW GPRFKKLADM						900
	YGGDD						906
5	Seq ID NO: 301 Protein Sequence						
	Protein Accession #: NP_058637.1						
10	1	11	21	31	41	51	
	MVSPRMGGLL SQTVLALIF LPQTRPAGVP ELQIHSFGPC PPGPGAPRSPC SARLPCRCLFF						60
	RVCLKPGLSE EAAESPCALG AALSARGPVY TEOPGAPAPD LPLPDGULQV PFRDAWPCTF						120
	SFIIEETWREE LGDQIGGPW SLLARVAGRR RLAJAGGPWAR DIQRAGAWEL RFSYRARCEP						180
	PAVGTAETRL CRPRSAPSRC GPGGLRPCAPL EDECEAALVC RACGSPEHGF CEOPGECRCL						240
	EGWIGPGLTV PVSTSSLSP RGPSATTGCG LVPGPGPCDG NPCANGGSCS ETPRSPECTC						300
15	PRGFYGLRC VSGVTACDPF CFNGGLCVGC ADDPSAYICH CPPGFQGSNC EKVRDRCSLQ						360
	PCRNNGLCILD LGHALRCRCA AGFAGPRCEH DLDDCAGRAC ANGCTCVEGG GAHRCSCLG						420
	FGGRDRCRERA DPCAARPCH GGRCYAHFSG LVACACPGYM GARCEFPVHP DGASALPAAP						480
	PGLRPDPDQR YLLEPALGLL VAAGVAGAAL LLVHVRRRGH SDQAGSRLLA GTPEPSVHAL						540
20	PDALNNLRTO EGSGDGPSSS VDWNRPEDVD PQGIYVISAP SIYAREVATP LFPPPLHTGRA						600
	GQRQHLLFPY PSSILSVK						618
Seq ID NO: 302 Protein Sequence							
	Protein Accession #: fgenes prediction						
25	1	11	21	31	41	51	
	MCQAFLWVLG TLWLLKNARC LQPYPPHEAQ SCLISEAKOG QAOLPLGWVK WPLHLRSSLS						60
	KRLERKYPNL LNEGIEEQIC KTSSLELPSC DLVTADGSTE VTISENLPAV GFHICQQQDS						120
	HVEGMVNISK ASSGQM						136
30	Seq ID NO: 303 Protein Sequence						
	Protein Accession #: NP_079088.1						
35	1	11	21	31	41	51	
	MGCCGSRADA IEPRYYESWT RETESTWLTY TDSDAPPAA APDSGPPEAGG LHSGMLEDGL						60
	PSNGVPRSTA PGGIPNPEKK TNCETCPNP QSLSSGPLTQ KQNLQTTTEA KRDAKRMPAK						120
	EVTINVTDI QQMDRSRRIK KNCVN						145
Seq ID NO: 304 Protein Sequence							
	Protein Accession #: XP_040550.1						
40	1	11	21	31	41	51	
	MGADGETVVL KNMLIGINLI LLGSMIKPSE COLEVITTERV QRQSVEEEGG IANYNTSSKE						60
	QPVVFNHVN INVPLDNLCS SGLEASAEQE VSAEDETLAE YMGTSDHES QVFTTHRINF						120
	PKKACPCASS AQVLQLELLS IEMLEREVSV LRDOCNANCC QESAATGQLD YIPHCSGHGN						180
45	FSFESCGCIC NEGWFGNCS EPYCPLGCSS RGVCVDGQC1 CDSEYSGDDC SELRCPTDCS						240
	SRLGCLVGEV CVECEPYGED CRELCRGCDG SGKGRCRANGT CLCEEYGVGE DCCQRCQCLNA						300
	CSGRGQCEEG LCVCCEGYQG PDCSVAAPPE DLRVAGISDR SIELENDGPM AVTEYVIVSYQ						360
	PTALGGLQLQ QRVPGDWSGV TITELEPGLT YNISVYAVIS NILSLPITAK VATHLSTPOQ						420
50	LQFQTLTETT VEVQWEFSPF SFDPWEISFI PKNNEGGVIA QVPSDVTSEN QTGLKEGEEY						480
	IVVWVALKQ ARSPSTSASV STVIDGPTQI LVRDVDSVTVA FVEWIPPRAK VDFILILKYGL						540
	VGEGEGRTTF RLQPLPSQYS VQALRCPSRV EVSVSVAVRGTE NESDSDATTQF TTEIDAPKNL						600
	RVGSRATSL DLEWDNSEAE VQEYKVYVST LAGEQYHEVL VPRGIGPTTR ATLTDLVPGT						660
	EYGVGISAIV NSQSQSPATM NARTELDSPR DLMVTASSET SISLWTKAS GPIDHYRITF						720
55	TPSSGIASEV TVPKDRTSYT LTDEPGLAEY IIISVTAERGR QQSLESTVDA FTGFREISHL						780
	HFSHVTTSSV NIWSDSPPP ADRLILNYSP RDEEEEMMEV SLDAKTRHAV LMGLQPATETY						840
	IVNVVAVHKG VTEPNTVGS1 TTGIDPPKD1 TISINVTKDSV MVSWSPPVAS FDYYRVSYRP						900
	TOVGRDSSV VPNTVTEFTI TRLNPNATEYE ISLNSVRGRE ESRICITLVH TAMDNPVDLI						960
	ATNTITPTEAL LQWKAPVGEV ENYVIVLTHF AVAGETILVD GVSEEFRLVD LLPSTHYTAT						1020
60	MYATNGPLTS GTISTNPFSTL LDPPNLTAS EVTROSALIS WQPPRAELEN YVLTYKSTDG						1080
	SRKELIVDAE DTWIRLEGGL ENTDTVLLIQ AAQDTTWWSSI TSTAFTGGR VFPHQPDCAQ						1140
	HLMNGDTLSC VYPIFLNGEL SQKLQVYCDM TTDGGGWIVE QRRQNQTDF FRKWDAYRVG						1200
	FGNVEDDEFWL GLDNIIHRTS QGRYERLVDM RDQEAFAAFS YDRFSVEDSR NLYKLIGSY						1260
	NGTAGDSSLV HQGRPFSTED RDNDVAVTCN AMSYKGAWWY KNCHRNLNG KYGESRHSQG						1320
65	INWYHWKGHE FSIPFVEMKM RPYNHRLMAG RKRQSLQF						1358
Seq ID NO: 305 Protein Sequence							
	Protein Accession #: NP_005874.1						
70	1	11	21	31	41	51	
	MASSVAPYEQ LVROVEALK AENSHLQELR DNSSHLSKLE TETSGMKVEV KHLQGKLEQE						60
	ARVLVSSGQT EVLEQLKALQ MDITSLYNLK FQPPTLGPEP AARTPEGSPV HGSGPSKDSF						120
	GELSRATIRL LEELDRERCF LLNEIEKEEK EKLWYYSQLO GLSKRDLDELP HVETOESMQM						180
	DLIROQLEFE AQHIRSLMEE RFGTSDEMVQ RAQIRASRLE QIDKELLEAQ DRVQQTEPQA						240
	LLAVKSPVD EDPETEVPTH PEDGTPQPGN SKVEVFWLL SMLATRDQED TARTLLAMSS						300
	SPESCVAMRD SGCLPLLIQ LHCTEAAGG RAGAPGAPGA KDAARMANAA LHNIVFSQPD						360
75	QGLARKEMRV LHVLQIRAY CETCWDWLQA RDGGPEGGGA GSAPIPIEPO ICQATCAVMK						420
	LSFDEEYRRA MNELGQLAQV AELLQVDYEN HKMTRDPLNL ALRYYAGMTL TNLTFCDVAN						480
	KATLCARRGC MEAIVAGLAS DSEELHQVVS SILRNLSWRA DINSKVLR EAGSVTALVQC						540
	VLRATEKSTL KSVL SALWN1 SAHSTENKAA ICQVDGALGE LVSTLTYKQ SNSLAIIESG						600
	GG1LRNVRSL VATREDYRQV LRDHNCLQTL LOHILTSHSLT IVSNACGTLW NLARSARQD						660
	ELLWDLGAVG MLRNLYHSK1 KM1AMGSAAN LRNLLAHRPA KHQAATAAVS PGSCVPSLYV						720
	RKRAALEAL DARHLAQALE HLEKQGPAA EAATKPLP RLRHDLGLAQD YASDSCFDD						780
80	DDAFLSAAA AATGEPASPA ALSFLGSPF LQCOQALART PTRRGKEAE KDTSGEAAVA						840
	AKAKAKLALA VARIDLQVED ISALHTSSDD SFSLSSGDPC QEAPREGRQA SCSPCRGPEG						900